

SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

Team Name: SUNY-Buffalo

Team Number: 8

Chassis-Year and Model: 2003 Pro X-R

Engine

Engine Cycle: 4-stroke diesel

Number of Cylinders: 3

Engine Displacement: 952cc

Engine Manufacturer: Daihatsu

Engine Modifications: --

Compression Ratio: 24.3:1

Turbocharged or Supercharged? Turbocharged

Engine Management System: Mechanical Injection

Fuel Delivery – Carburetors: DI, injection pump

Fuel Pump Pressure: Gravity feed

Fuel Type: B10

Emission Control

Air/Fuel Ratio Chosen:

Catalyst/Type: PM Metalit/oxidizer, Emitec

Secondary Air Injection? No

Exhaust Gas Recirculation? No

Other:

Noise Control

Muffler Design: Aero Stealth

Noise Treatment: Millennium [sic] metal, melamime foam, PDP insulation, VE damping

Cooling

Describe Strategy: Stock cooling system

Other Unique Features of Your Snowmobile

Describe Strategy: Diesel engine in a snowmobile with plans for the future in way of improvements